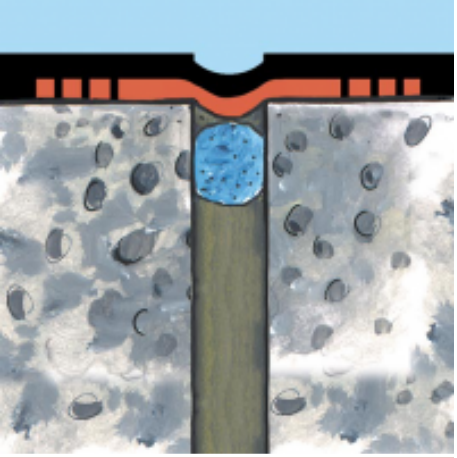

PRS.0037

ELASTOTEX 250 COMBI

Waterproofing band in Hypalon, 25 cm, for expansion joints

Customs Code

3921 9090

Packaging

- Roll 30 m

Application

- Apply by hand
- Spatula
- Notched finishing trowel

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Family
Proseal

Type
Butt-straps, bars and plastic profiles

Product Lines
- **Aqua**
- **Infratech**

Functional Cathegories
- **Waterproofing with hot-sprayed elastomeric coatings (100% pure polyurea)**
- **Instantaneous stoppage of water infiltrations in buildings**
- **Waterproofing control joints or construction joints**
- **Structural maintenance of dams, reservoirs, ducts and water ducts**
- **Structural maintenance of bridges and viaducts**
- **Structural maintenance of tunnels**
- **Construction of underground works in high performance waterproof concrete**

Components
Single-component

Appearance
Tape

General **description**

Strap with high resilience and resistance, with an overall width of 25 cm, consisting of a special elastomeric layer in Hypalon, resistant to raging and wear and tear, for use in combination with the epoxy resin paste SYNTECH AS 31, for waterproofing watertight expansion joints in buildings, works and structures below the aquifer level or to ensure the water sealing of structural connections even off the ground. Specific applications for industrial or infrastructural use.

Dosage

1.1 m/m: 1 metre of ELASTOTEX 250 COMBI for each linear metre, being careful to overlap the rolls of approximately 5-10 cm in correspondence with the edges of the band to guarantee the permanent water tightness of the system.

Fields of **application**

Waterproofing expansion joints, including large ones, subject to considerable work movements, and of natural joints and fissures, also in conditions of hydraulic counter-thrust, in tunnels, silos, tanks, pools, basements, roofing, prefabricated coverings, road joints and hydraulic works in general.

Basic **features**

Shelf-life:
12 months

Temperature of use:
-30 / +90 °C

Width:
250 mm

Available **colours**
Gray

Technical specifications

Breaking load lateral DIN EN ISO 527-3	221.8 N / 15 mm _
Breaking load longitudinal DIN EN ISO 527-3	241.4 N / 15 mm _
Extension break lateral DIN EN ISO 527-3	900 %
Longitudinal elongation at break DIN EN ISO 527-3	900 %
Power absorption at 25% elasticity lateral DIN EN ISO 527-3	42.7 N/mm
Power absorption at 50% elasticity lateral DIN EN ISO 527-3	49.2 N/mm
Resistance to water pressure DIN EN 1928 (B)	>4.0 bar
Thickness	1.0 mm
UV resistance DIN EN ISO 4892-3	6500 h

Substrate **preparation**

The surfaces to be treated must be certainly free of loose parts, traces of grease, release agent, paints and thoroughly dedusted. any trace of rust must be also removed from metal surfaces, while polymeric surfaces should be roughened by sanding. The workspaces, the corners, etc., must be delimited with adhesive tape.

Instructions for use

Mix the epoxy resin SYNTECH AS 31 thoroughly in the pre-determined amount as required (on average roughly 1 kg per meter). Spread the epoxy adhesive prepared as described above, on the sides of the joint to be waterproofed by toothed adhesive spreader, kept constantly clean, taking care to obtain uniformity of the thickness applied that must not be less than 2 mm. Unroll and apply the ELASTOTEX 250 COMBI strap, on the fresh adhesive spread, pressing it against the resin, stretching the ends by hand, taking care to avoid wrinkling and air bubbles, until the underlying resin leaks out from the holes on the strap. Apply with a metal filling knife a second layer (at least 2 mm) of SYNTECH AS 31 adhesive at the edges of the strap, already impregnated, in order to protect it permanently from accidental damage and to obtain certain monolithicity of the end to the support.

For the joint between two adjacent straps, weld the end flaps for overlap and solder them using a special hot air welding machine. For additional security of the seal, a small layer of SYNTECH AS 31 should be applied on the heated flaps.

The final system resistances will be reached after about 7 days after laying, but already after 24 hours at 20°C, values equal to 60-70% of the final performances can be obtained. In any case the performance after 24 hours will be much greater than those of a high quality concrete.

Storage and preservation

Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight.

Warnings, Precautions and **Ecology**

Technical and performance data outlined in this document are the result of laboratory testing conducted in a conditioned environment, as such they can result as considerably changed from operating and application conditions. The need follows to carry out preliminary tests in actual use conditions.

The user is required to check the product's most recent Material Safety Data Sheet, reporting physical-chemical and toxicological data, risk phrases and other useful information on how to safely transport, use and dispose of the product and its packaging. It is also reminded that the product and its packaging must not be dispersed in the environment for any reason.

ELASTOTEX 250 COMBI is produced/distributed by

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